



# Specialty Gas Material Safety Data Sheet

RENOX INC. BOX 2425 Los Nietos, Ca. (213) 699-0993 Issue date: 11/15/85 Revisions:	PRODUCT NAME: Oxygen	
	NAME AND SYNONYMS: Oxygen, (Gas)	DOT HAZARD CLASS: Non Flammable Gas
	DOT IDENTIFICATION NUMBER:	UN 1072
	FORMULA: O <sub>2</sub>	CHEMICAL FAMILY: Gas

II. HAZARDOUS INGREDIENTS		WT%	TLV	WT%	TLV
Oxygen		100%	None		

III. PHYSICAL DATA			
Boiling point	-297F	Liquid density at boil.pt.	0.08
Vapor pressure	N/A	Gas density	0.26
Solubility in water	.43%	Specific gravity	1.1 05
Appearance and odor:		Colorless and Odorless Gas	

IV FIRE AND EXPLSION HAZARD DATA	
FLASH POINT (method used) Non Flammable Gas	FLAMMABLE LIMITS LEL: 0% UEL: 0%
EXTINGUISHING MEDIA: None	
SPECIAL FIRE FIGHTING PROCEDURES: Oxygen will not burn, but vigorously support the combustion of other materials. Remove cylinder from direct heat or open flame, or keep cool with water fog.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from oil or grease. Do not use oil or grease on any oxygen equipment. Do not use oxygen in equipment used for any other gas. Keep away from combustibles.	

**V. HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE:

None

EFFECTS OF OVEREXPOSURE: In atmospheres of high oxygen concentration at pressure above one atmosphere (Hyperbaric application), Oxygen can cause respiratory irritation and pneumonia; nontoxic gas.

EMERGENCY AND FIRST AID PROCEDURE:

Not required for any ordinary exposures. Hyperbaric application should be under supervision of competent trained personnel. Obtain medical attention.

**VI. REACTIVITY DATA.**

STABILITY

UNSTABLE

CONDITIONS TO AVOID:

STABLE

X

INCOMPATIBILITY (materials to avoid):

Keep away from oil, grease, or combustibles.

HAZARDOUS

MAY OCCUR

CONDITIOS TO AVOID:

POLYMERIZATION

WILL NOT OC.

X

**VII. SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled:  
Ordinary leaks will release harmlessly to atmosphere. For large leaks in confined areas, clear personnel and remove all sources of ignition.

Waste disposal method:

Vent to atmosphere in open area, away from combustibles.

**VIII. SPECIAL PROTECCION IMFORMATION**

Not normally required. Use leather or asbestos protective gloves and glasses with filter lenses when welding or cutting provide local exhaust or mechanical ventilation if welding or cutting in confined areas.

**IX. SPECIAL PRECAUTIONS**

HANDLING AND STORING RECOMENDATIONS:

Do not drop cylinders. Store where temperature will not exceed 125°F. Well ventilated area and away from combustibles, oil and grease (Hydrocarbons). Keep valve protection cap in place, except when using. Obaserve caution for high pressure gas.